



# ISAPP

International Scientific Association  
for **PROBIOTICS** and **PREBIOTICS**

## 2024 Annual Report

January 1 - December 31, 2024



## Introduction

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The International Scientific Association for Probiotics and Prebiotics (ISAPP) is the international non-profit organization that works to advance the science of probiotics, prebiotics and related substances, such as synbiotics, postbiotics and fermented foods.

ISAPP's activities focus on fostering scientific discussion and collaboration, identifying and driving forward robust outputs on the most important scientific issues, and educational and stewardship efforts to cultivate accurate knowledge of biotic substances amongst health care professionals, consumers, scientists, regulators and other stakeholders. ISAPP thrives on the contributions of a multidisciplinary community of scientists, clinicians and other professionals from diverse settings, including academic, industry, healthcare and government backgrounds.

The ISAPP staff and board of directors extends our sincere thanks to our member companies for their support and engagement throughout the year. Member scientist contributions are critical for helping identify important trends and topics, collaborating on scientific projects and papers, and bringing forward translational considerations.

2024 has been another productive and eventful year for ISAPP - some highlights include:

- Welcoming Prof. Maria Marco PhD as ISAPP President for the 2024-2027 term
- Holding one of our biggest annual meetings at University College Cork in Ireland
- Convening an expert consensus panel on the definition of gut health
- Publishing more frequent blogs and podcast episodes
- Reaching around 100,000 people per month through all of our communication channels



Incoming ISAPP President Maria Marco (center) with Executive Director Marla Cunningham (left) and outgoing President Dan Merenstein (right)

## Organizational update

### ISAPP Board of Directors

ISAPP is governed by a volunteer [board of directors](#) composed of expert academic scientists with diverse backgrounds and expertise across the field of biotic science (Appendix A). At the ISAPP annual meeting, the board of directors welcomed Prof. Maria Marco PhD as the new President, succeeding Prof. Dan Merenstein MD after his three-year term. Several existing board members also stepped into new officer roles: Prof. Sarah Lebeer PhD took on the title of Vice President, Prof. Kelly Swanson PhD became the new Treasurer, and Dr. Anisha Wijeyesekera PhD was appointed as Secretary.

ISAPP also welcomed a new board member during 2024 – Dr. Geoffrey Preidis MD PhD from Baylor College of Medicine and Texas Children's Hospital. Dr. Preidis brings rich experience to the board as a pediatric and neonatal gastroenterologist. His research focuses on intestinal microbiome development in extremely premature infants and how probiotics may reduce the risk of necrotizing enterocolitis and other complications.

Following the annual meeting in his home city of Cork, Prof. Colin Hill PhD retired from the board of directors after serving ISAPP for 15 years, including 3 years as ISAPP President. [See here](#) for Prof. Hill's reflections on 15 years as an ISAPP board member. The continuing board members are grateful to Prof. Hill for his innumerable contributions, as well as his collegiality and wisdom throughout his term on the board.

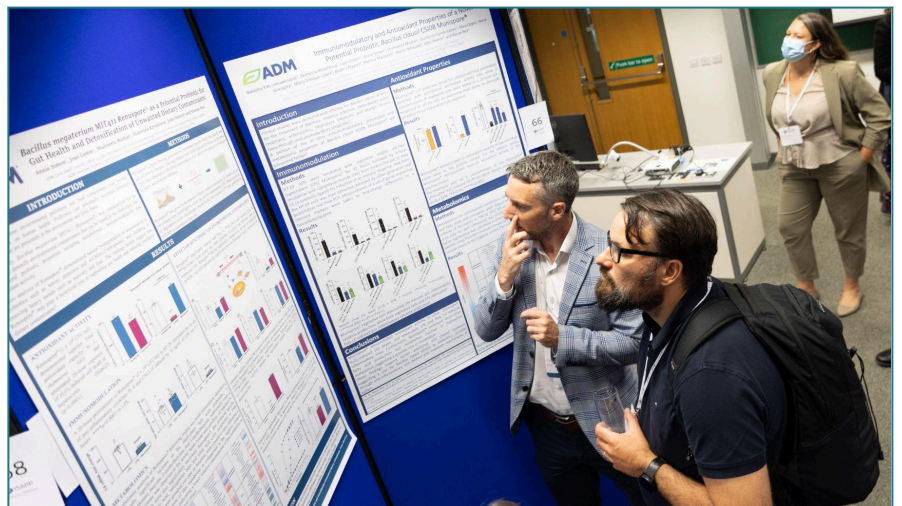
ISAPP's President and Past President both received prestigious honors from external organizations this year. President [Prof. Maria Marco PhD](#) was elected to the American Academy of Microbiology, and Past President [Prof. Dan Merenstein MD](#) was elected to the National Academy of Medicine.

### ISAPP Industry Advisory Committee

The ISAPP Industry Advisory Committee (IAC), comprising scientific representatives from industry member companies, plays a valuable role in advising ISAPP on key issues of interest, participating in collaborative scientific projects and papers, and bringing a translational lens to the ISAPP community. The IAC exists in an advisory capacity only and does not hold voting power or authority over the decisions of the board of directors of ISAPP. As a scientific society, ISAPP ensures its activities are directed by the goal of scientific advancement, rather than category advocacy or promotion.

ISAPP is grateful for the support and engagement of 60 member organizations in 2024, helping the organization to realize its mission of advancing scientific excellence in probiotics, prebiotics, synbiotics, postbiotics and fermented foods. A list of ISAPP members can be found in Appendix B.

Each year, two members of the ISAPP Industry Advisory Committee are elected to serve as representatives, attending board meetings and representing industry perspectives.



In 2024, Dr. Shalome Bassett PhD (Fonterra, New Zealand) assumed the role of Senior Industry Advisory Committee representative and Dr. Jessica van Harsseelaar PhD (Beneo, Germany) was elected to the Junior representative position.

## Annual scientific meeting

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ISAPP's annual scientific meeting is its flagship event, bringing together an international group of scientists working in the probiotic, prebiotic, postbiotic, synbiotic, microbiome and fermented food fields. This year's meeting was held in Ireland at University College Cork, maximizing contributions from local scientists at the world class university and co-located APC Microbiome Ireland. With this year's open registration opportunity on days two and three of the meeting, we welcomed a total of 275 delegates from 25 countries. ISAPP's industry member scientists were key participants in this dynamic, collaborative meeting, with active contributions and talks in discussion groups, late-breaking news slots, and contributing 18 of the many poster presentations.

This year's pre-meeting program, organized by ISAPP's industry member representatives, provided an opportunity for members to engage with the ISAPP board, and brought together industry and student/fellow member scientists for interactive innovation-focused workshops. The program also featured a regulatory-focused panel on scientific requirements for new biotic substances.



Discussion group, 2025 annual meeting

ISAPP's discussion groups, advancing key questions in important and timely topics in the field, were held on day one of the annual meeting. Days two and three featured a series of plenary talks as well as a panel of stakeholder perspectives on current challenges for the use of probiotics in preterm infants.



Highlights of the meeting included:

- Learning about a wide variety of biotics-related topics, from environmental microbes to the gut-skin axis, in the plenary talks
- Hearing the 2024 ISAPP award recipients present on their current work
- Browsing over 80 scientific posters from academic, early career and industry researchers
- Enjoying the late-breaking-news session, with short talks showcasing new data and perspectives
- Visiting the historic Cork City Gaol for the conference gala dinner
- Sharing perspectives and learnings from the day one discussion groups

Links:

- [ISAPP 2024 Meeting Report](#)
- [Slide presentations](#) (password protected site)



ISAPP 2025 Annual Scientific Meeting: Attendee Composition

## Expert panels

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### Gut health

In September 2024, ISAPP convened a group of 13 scientific and clinical experts in London, UK, for an expert panel on gut health. The term is increasingly used by scientists, marketers and the general public to describe various aspects of intestinal function as well as the inter-relationships between the gut, diet, biotics and overall health. Despite this widespread usage, there is little clarity on a definition or consistency in use for the term. Chaired by Prof. Maria Marco PhD and Prof. Eamonn Quigley MD, the panel was charged with reviewing the state of the science on gut health and developing guidance on how to understand, measure and appropriately apply the term in research and practice. A manuscript for peer-reviewed publication is currently in progress.

### Probiotic administration in preterm infants - paths forward

A large body of literature exists on the use of probiotics in hospitalized preterm infants, with a focus on the prevention of necrotising enterocolitis, and systematic reviews and meta-analyses finding significant reductions in mortality and morbidity. However, probiotic administration is not without risk, and rare case reports of probiotic- and contaminant-induced sepsis have resulted in varying recommendations and responses from clinical organizations and regulatory bodies. An expert panel held at the 2024 ISAPP Annual meeting in Cork explored the current state of practice and key barriers across the scientific, clinical, legal, regulatory and industry spheres, identifying key obstacles and priorities for advancement of science and coherent clinical application in this patient population.



- Blog: [Expert Panel at ISAPP Annual Meeting Addresses Probiotic Use for Premature Infants](#)
- Publication: Probiotics for preterms: [Sharing complex decision making](#)

## Collaborative papers

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### Frequently asked questions about the ISAPP postbiotic definition

With the concept of postbiotics being an ongoing topic of discussion in the biotics field, this paper addressed common questions about the ISAPP consensus postbiotic definition published in 2021. The paper clarified the rationale, scope, wording, mechanism of action and commercial implementation of postbiotics, as well as expectations for safety, quality and efficacy data.

- Publication: [Frequently asked questions about the ISAPP postbiotic definition](#)
- Press release: [Scientists address debates on postbiotic definition with new paper](#)

### Is there evidence to support probiotic use for healthy people?

July 2024 saw the publication output of an expert discussion group from the 2023 annual meeting, addressing this question: What's the state of evidence that probiotics are beneficial to healthy people at a population recommendation level? While many reviews address the value of probiotics for specific patient groups, this group evaluated the strength of efficacy evidence for preventative use of probiotics by the general population. The paper

acknowledged the difficulty in studying preventative applications of probiotics, and identified research gaps that exist at present.

- Publication: [Is There Evidence to Support Probiotic Use for Healthy People?](#)
- Blog: [Should everyone take a probiotic? Assessment of evidence of probiotics for healthy people](#)

### Classifying compounds as prebiotics - scientific perspectives and recommendations

Responding to industry member feedback on the need for clarity around scientific principles for assessing the prebiotic status of an ingredient, ISAPP published a new paper in Nature Reviews Gastroenterology & Hepatology October 2 this year. The assembled team of experts addressed critical questions and challenges related to scientific substantiation of prebiotics, including characterization of selective utilization and microbiome-mediated mechanism of action, and provided a practical framework and minimum criteria for accurately identifying prebiotics and assessing their health effects.

- Publication: [Classifying compounds as prebiotics – scientific perspectives and recommendations](#)
- Blog: [ISAPP elaborates criteria for prebiotics](#)
- Press release: [Experts propose key criteria to classify prebiotics](#)

To support implementation of these concepts and assist scientists working with prebiotics, ISAPP developed a companion checklist to assist in determining whether a substance meets the criteria to be called a probiotic. The checklist was developed with the authors of a new paper on prebiotic criteria, and refined through consultation with experts at the ISAPP annual meeting.

- Downloadable checklist: [Checklist of Cumulative Required Evidence for a Prebiotic](#)

### Design and reporting of prebiotic and probiotic clinical trials in the context of diet and the gut microbiome


Diet is frequently overlooked as a factor in probiotic and prebiotic studies, despite playing a key role in shaping both host gastrointestinal function and microbiota features known to have a significant influence on prebiotic and probiotic efficacy. A group of 8 international experts, led by Prof Maria Marco PhD and Prof Kevin Whelan PhD, explored these issues in a Perspective paper published in Nature Microbiology Oct 31. The authors call for researchers across the globe to collect data on participants' background diets as part of their future probiotic and prebiotic trials and provide ten key recommendations on the design, conduct and reporting of future probiotic and prebiotic clinical trials.

- Publication: [Design and reporting of prebiotic and probiotic clinical trials in the context of diet and the gut microbiome](#)
- Press release: [Expert publication recommends considering dietary factors in probiotics and prebiotics research](#)

### Restoration of antibiotic-perturbed microbiota with probiotic administration

In 2023, ISAPP convened an expert panel comprising academic experts in probiotics, clinical trials, microbiome science, microbiology and statistical methods to discuss what we know about the ability of probiotics to restore an antibiotic-perturbed microbiota. The topic was suggested by a member of the Industry Advisory Committee to clarify the state of research and highlight paths forward. The group of 8 experts reviewed the available literature and discussed the

CLINICAL BRIEFS



**ISAPP**  
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**Probiotic use alongside antibiotics:  
A guide to clinical FAQs**

There's a widespread belief that probiotic supplementation can replenish the good bacteria lost during antibiotic treatment. What is the evidence for this belief, and is it beneficial for probiotics to be taken alongside antibiotics?

**How do antibiotics impact the gut microbiome?**

Antibiotics are important for the treatment of many bacterial infections, but their use can have unintended consequences, including disruption of the commensal gut microbiota. The degree of disruption varies between different antibiotic types,

as yogurt. However, not all products with live microbes contain validated probiotics - for a microbe to be classified as a probiotic it must be proven in intervention studies to have a health benefit. Some of the most common commercial probiotics include specific strains within the genera of *Bifidobacterium*, *Lactobacillus*, *Lactocaseibacillus*, *Lactiplantibacillus*, *Limosilactobacillus*, *Saccharomyces*, and *Bacillus*. Decades of research have explored the role of probiotics in supporting health, managing symptoms, and prevention of various diseases. Probiotics should be chosen based on the specific strains, combinations, and doses tested in clinical

evidence that probiotics may help restore an antibiotic-perturbed gut microbiota in humans. The group found that although specific probiotics are able to mitigate some clinical harms associated with antibiotic use, the way they accomplish this is not clear. Studies adequately designed to directly address this question were rare, and current evidence did not support the conclusion that probiotics studied so far help restore the gut microbiota to its pre-antibiotic-challenged state. Authors encouraged future studies to directly address this topic.

- Publication: [Antibiotic-perturbed microbiota and the role of probiotics](#)
- Blog: [ISAPP panel concludes that more evidence is needed to determine whether probiotics help restore an antibiotic-disrupted microbiota](#)
- Clinical brief: [Probiotic use alongside antibiotics](#)

### Use of biotics in animals: Impact on nutrition, health, food production

At the ISAPP annual meeting in Denver, 2023, a group of academic and industry member scientists convened in a discussion group addressing the use of probiotics and prebiotics in agricultural and companion animals. Led by Prof Kelly Swanson PhD and Prof George Fahey PhD, the group subsequently produced a manuscript discussing the current state of research on biotic substances for digestive health, immune response, growth and efficiency, and safe food production, among other benefits, as well as physiological and environmental differences amongst host species impacting the choice. The manuscript has been accepted for publication in the Journal of Animal Science and will be published in early 2025.

- Accepted manuscript: [Use of Biotics in Animals: Impact on Nutrition, Health, and Food Production](#)

## Stewardship

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### FDA consultation on probiotics and premature infants

Following on from the [ISAPP scientific statement](#) addressing a 2023 Food and Drug Administration (FDA) warning on the use of probiotics in preterm infants, in March 2024 ISAPP organized a discussion with representatives of the FDA and the Center for Biologics Evaluation and Research to share the scientific perspective on probiotic use in preterm infants, highlight challenges and risks for clinicians and patients in the face of current regulatory warnings and discuss possible solutions. Subsequently, FDA convened a public workshop on the issue with a further submission from ISAPP.

### CCNFSDU consultation on Proposed Draft Guidelines Regarding Probiotics

In March 2024, ISAPP provided the latest round of comments to the Codex Committee on Nutrition and Foods for Special Dietary Uses on a new draft of the consultation paper from the working group on 'Proposed Harmonized Probiotic Guidelines for Use in Foods and Food Supplements'. Initiated in 2017, this effort driven by multiple stakeholders aims to produce a regulatory framework for the use of probiotics in food and food supplements, focused on minimum standards for safety, characterization and labeling. In commentary, ISAPP highlighted scope for emerging methodologies of probiotic enumeration and requested further clarification around proposed functional characterization requirements and methods, taxonomic levels of identification and scope of safety requirements.

### NCCIH Coalition for Whole Person Health

During 2024, ISAPP was accepted as a member of the US National Center for Complementary and Integrative Health (NCCIH) Coalition for Whole Person Health, under the National Institutes of Health (NIH) umbrella. This collaboration

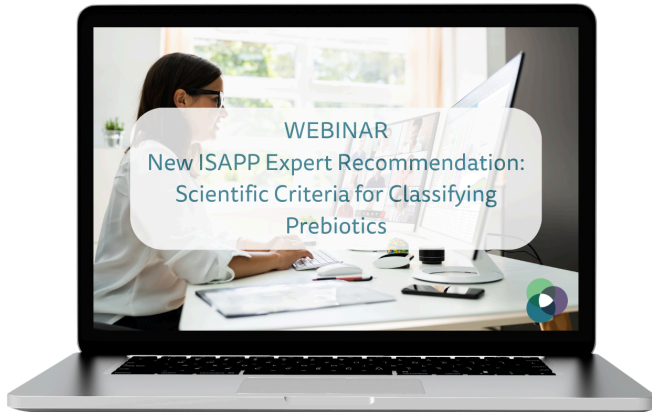


between nonprofit organizations is designed to advance strategies for how research can inform integrative, interprofessional, patient-centered, and whole person care. Prof Dan Merenstein MD attended the inaugural stakeholder meeting of 60 member organisations in November to explore opportunities to contribute in research, knowledge sharing and communication efforts.

- Link: [NCCIH Coalition for Whole Person Health | NCCIH](#)

## Webinars

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### New ISAPP Expert Recommendation: Scientific Criteria for Classifying Prebiotics

In December 2024, ISAPP hosted a webinar addressing the challenges in defining and classifying prebiotics, describing a unified approach for the scientific field moving forward. Over 250 participants joined live as a panel of expert speakers covered the following topics:

- The definition of prebiotics and its implications
- What it means for a substance to be selectively utilized by the microbiota
- Evidence for causality in prebiotic effects
- A practical example of evaluating a prebiotic candidate

The information had practical implications for scientific studies, product development, and more.

See the [archived webinar here](#).

## Educational outreach from board members

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Throughout 2024, ISAPP board members participated in sharing the latest in biotic science and its translation to clinical application in meetings across the globe. Amongst many others, these included:

- Prof Daniel Merenstein MD, presenting at American Association of Family Physicians – FMX 2024, Arizona US, September 2024. Live Dietary Microbes: Evidence That Intake Supports Health.
- Prof Eamonn Quigley MD, presenting at IBS Days, June 2024 in Bologna Italy, addressing microbiota modulation using biotics for the management of IBS.
- Dr Geoffrey Preidis MD PhD at Digestive Disease Week in Washington, DC in May 2024, delivering a presentation entitled Context Is Key: When To Consider Probiotics or Microbiome Testing for Neonates, Infants, and Children
- Prof Kelly Swanson PhD, sharing insights on the Past, Present, and Future of Biotics in Companion Animal Nutrition, at the American Society of Animal Science National meeting, Calgary, Canada in July 2024
- Prof Seppo Salminen PhD visited China in November 2024, presenting at the China Nutrition Society meeting on the topic of Biotics - Their Definitions and Nutritional Health. Over 200 clinicians, nutritionists and researchers were in attendance. In Zhuhai, Prof Salminen also participated in a training course from the China Nutrition Society, meeting experts working with biotics and sharing an overview of ISAPP consensus definitions and relevant biotic definitions, focusing especially on postbiotics.
- Dr. Anisha Wijeyesekera, PhD, joined the UK Government Office for Science in April 2024 in their Expert Roundtable addressing Microbiome Manipulation, sharing insights on the evidence base for achieving health impacts in the UK.

## Organizational collaborations

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### Collaboration with the Institute for the Advancement of Food and Nutrition Sciences

Throughout 2024, ISAPP Executive Director Marla Cunningham continued to represent ISAPP on the IAFNS Nutrition for Gut Health Committee. Comprising industry, government, non-profit organization and academic experts, the Nutrition for Gut Health committee identifies priorities for the development and translation of nutrition and gut health research for actionable insights in the food industry. Through discussions in 2024, ISAPP and IAFNS identified shared priorities for advancing gut health research and aligned on complementary work programs to eliminate duplication of effort.

During 2024, Prof Maria Marco PhD took on the role of chair of the Live Dietary Microbe subcommittee, continuing to advance joint efforts of ISAPP and IAFNS to advance the science of live microbes.

- Resource: [Nutrition For Gut Health - IAFNS](#)

### Collaboration with HealthFerm

In 2024, ISAPP participated as a member of the stakeholder board of the HealthFerm project. This research initiative, funded by the EU and Switzerland, focuses on better understanding of the interactions between food fermentation microbiomes, fermented plant-based foods, the human gut microbiome and human health. Executive Director Marla Cunningham represented ISAPP on the stakeholder board, with ISAPP board members Prof Maria Marco PhD participating in scientific advisory and Prof Kristin Verbeke PhD as a project lead, respectively.

- Blog post: [Food of the future: Fermented and sustainable](#)
- Podcast episode: [How fermented foods can support health and sustainability. with Prof. Christophe Courtin PhD](#)

## Students and Fellows Association

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The ISAPP Students and Fellows Association (SFA) continued their work throughout 2024 to establish an interactive global network of graduate students and postdoctoral fellows focused on probiotics, prebiotics, and related fields. \$750 of each industry membership goes to SFA to promote development of the next generation of scientists and bring the contributions of leading early career researchers to the ISAPP community. The SFA community grew to 342 SFA members globally in 2024, with 29 participants selected to join the 2024 annual meeting program, sharing their work through interactive workshops, poster discussions and selected presentations on the main stage.

Volunteers from the SFA membership comprise the Executive Committee, which is appointed each year to govern the SFA organization. In the second half of 2024, Dr. David Hourigan PhD assumed the position of SFA President, succeeding Dr. Cathy Lordan PhD, taking on the newly created role of Past President to assist with continuity and transition in leadership. Patricia Sanz Morales stepped into the role of Vice President while Dr. Ellen Murray, PhD became Director of Communications and Development. Breanna Metras continued as Treasurer, Dr. Sarah Ahannach PhD continued as Director of Outreach and Community Engagement, and Dr. Rounak Chourasia PhD assumed the role of Secretary. Dr. Anisha Wijeyesekera PhD took the lead as liaison to the SFA from the ISAPP board of directors.

Throughout the year, SFA members shared their research and perspectives through SFA-driven communication efforts and social media updates. On a monthly basis, SFA publishes a blog written by one of its members, with [12 blogs](#) on a variety of topics published to date in 2024.



ISAPP SFA attending the 2024 annual meeting in Cork, Ireland

## Awards

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ISAPP celebrated the inaugural winners of its expanded award program in 2024. Two early career researcher awards were given, including one for achievements within low- and middle-income countries, as well as an award recognising significant career contributions and impact within the biotics field.

### 2024 winners

- [Sanders Award for Advancing Biotic Science](#): Dr. Maria Pía Taranto PhD, Argentina
- [Glenn Gibson Early Career Researcher Award](#): Dr. Boushra Dalile PhD, Belgium
- [Gregor Reid Award for Outstanding Scholars in Developing Nations](#): Dr. Rounak Chourasia PhD, India

Award winners received cash prizes and presented their work to ISAPP meeting participants at the annual scientific meeting in Cork in July 2024.

## Science translation

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### Infographics

- Prompted by the publication of ISAPP's new paper on criteria for prebiotic classification, updates were made to the existing suite of prebiotic infographics. These include:
  - [Prebiotics](#)
  - [Understanding Prebiotics and Fiber](#)
  - [Probiotics, Prebiotics, Synbiotics, Postbiotics and Fermented Foods Defined](#)
- ISAPP continues to expand its collection of translated infographics. With Vietnamese and Arabic added this year, a total of 18 languages are now represented in the infographic translations.

- Vietnamese translations: [Probiotics](#), [Fermented foods](#), [Do all fermented foods contain a probiotic?](#), [Live Dietary Microbes](#), and [Effects of Probiotics and Prebiotics on Our Microbiota](#)
- Arabic translation: [Probiotics](#)

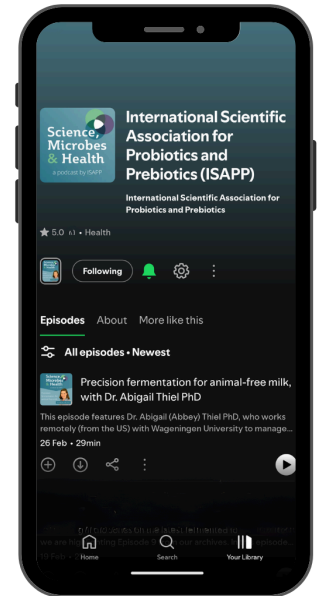
### Consumer-focused content

- ISAPP updated the content on its [probiotic page for consumers](#), to maximize findability in search engines, accessibility and relevance, providing clear questions and answers on probiotics while reducing scientific jargon.
- ISAPP board member Dr. Gabriel Vinderola PhD contributed his expertise to [a trade journal article](#) focused on a common consumer question: why different probiotics require different storage conditions.

### Podcasts

The ISAPP [Science, Microbes & Health podcast](#) saw an update during 2024, with the introduction of multi-episode podcast themes and more frequent episodes, as well as new visuals. A total of 16 new episodes were posted in 2024. In addition to our familiar podcast hosts, Prof. Colin Hill PhD and Prof. Dan Tancredi PhD, we welcomed two new podcast hosts from the ISAPP board: Prof. Eamonn Quigley MD and Dr. Gabriel Vinderola PhD. Themes for the podcast in 2024 included:

- **Biotics in animal health**, including episodes on [biotics for agricultural animals](#), and [the gut microbiome in dogs and other pets](#)
- **Biotics and the microbiota-gut-brain axis**, including episodes on [fiber and short-chain fatty acids for cognitive health](#), and [developing probiotics for neurodegenerative disease](#)



### Blogs

ISAPP regularly posts scientific blogs written by scientific experts, including many prominent names in the field of biotics and microbiome. 13 authored blog posts on key topics of interest were published in 2025:

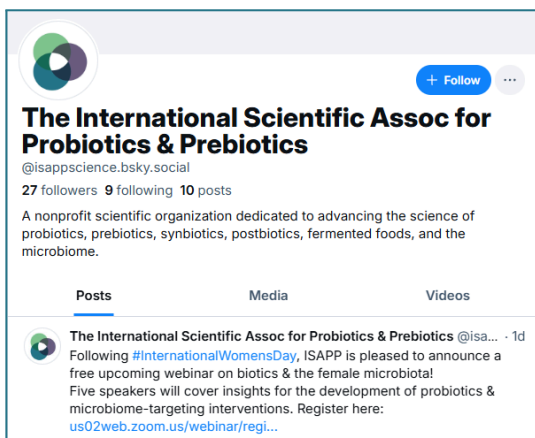
- [ISAPP panel concludes that more evidence is needed to determine whether probiotics help restore an antibiotic-disrupted microbiota](#) by Dr. Mary Ellen Sanders PhD, Dr. Hania Szajewska MD, and Prof. Karen Scott PhD
- [Planning a Biotics Study? New Publication Recommends Adding Diet as a Variable](#) by Prof. Maria Marco PhD and Prof. Kevin Whelan PhD
- [How do we know if a microbe is dead?](#) by Prof. Maria Marco PhD
- [Can Probiotics Prevent Respiratory Tract Infections in Infants and Children?](#) by Prof. Hania Szajewska MD PHD
- [Discovering novel bioactive peptides in fermented foods](#) by Dr. Rounak Chourasia PhD

- [ISAPP elaborates criteria for prebiotics](#) by Dr. Mary Ellen Sanders PhD, Prof. Bob Hutkins PhD, and Prof. Karen Scott PhD
- [Prebiotics: Does delivery format matter?](#) by Prof. Kelly Swanson PhD
- [Postbiotics: A global perspective on regulatory progress](#) by Dr. Gabriel Vinderola PhD
- [Expert Panel at ISAPP Annual Meeting Addresses Probiotic Use for Premature Infants](#) by Marla Cunningham
- [Should everyone take a probiotic? Assessment of evidence of probiotics for healthy people](#) by Prof. Dan Merenstein MD and Dr. Mary Ellen Sanders PhD
- [Can we estimate prebiotic effects from short-chain fatty acid production?](#) by Prof. Kristin Verbeke PhD
- [Should bacteriophages be considered as a member of the biotic family?](#) by Prof. Colin Hill PhD
- [The gut-brain axis in livestock animals: Is there a place for biotics in changing pig behavior?](#) by Prof. Seppo Salminen PhD

ISAPP also published several news articles on topics of interest to the biotics community.

## Social media

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ISAPP shares the latest content and engages with members of the community on multiple social media channels: [X](#), [Instagram](#), [Facebook](#), [LinkedIn](#) and now [Bluesky](#). We encourage members to continue sharing and commenting on our posts!

ISAPP sincerely thanks all of the ISAPP community for their support and engagement with the organization's activities in 2024, and looks forward to a rewarding year together in 2025.

## Appendix A: ISAPP Board of Directors 2024

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**Prof. Maria Marco PhD, President**  
Department of Food Science and Technology  
University of California, Davis, USA



**Prof. Sarah Lebeer PhD, Vice President**  
Professor in Microbiology and Molecular Biology  
Department of Bioscience Engineering  
University of Antwerp, Belgium



**Prof. Daniel Merenstein MD, Past-President**  
Director of Research of Family Medicine  
Professor of Family Medicine  
Georgetown University Medical Center,  
Washington DC, USA



**Dr. Anisha Wijeyesekera PhD, Secretary**  
Associate Professor in Human Microbiome and  
Metabolome Studies, Department of Food &  
Nutritional Sciences  
University of Reading, UK



**Prof. Kelly Swanson PhD, Treasurer**  
Department of Animal Sciences and Division of  
Nutritional Sciences  
Professor, Department of Veterinary Clinical Medicine  
University of Illinois at Urbana-Champaign, USA



**Prof. Karen Scott PhD, Member-at-Large**  
Professor, Rowett Institute  
University of Aberdeen, Scotland, UK



**Prof. Seppo Salminen PhD, Member-at-Large**  
Professor, Director, Functional Foods Forum  
University of Turku, Finland



**Prof. Eamonn Quigley MD, Member-at-Large**  
Professor, Division of Gastroenterology and  
Hepatology  
The Methodist Hospital and Weill Cornell School of  
Medicine, Houston, Texas USA



**Prof. Hania Szajewska MD, PhD, Member-at-Large**  
Professor, Department of Paediatrics  
The Medical University of Warsaw, Poland



**Prof. Daniel Tancredi PhD, Member-at-Large**  
Professor, Department of Pediatrics  
University of California, Davis, USA



**Dr. Gabriel Vinderola PhD, Member-at-Large**  
Associate Professor of Microbiology  
Faculty of Chemical Engineering, National University of  
Litoral  
Principal Researcher, CONICET  
Santa Fe, Argentina



**Prof. Kristin Verbeke, Pharm, PhD,  
Member-at-Large**  
Professor, Translational Research in Gastrointestinal  
Disorders  
Katholieke Universiteit Leuven, Belgium



**Geoffrey Preidis, MD, PhD, Member-At-Large**  
Associate Professor of Pediatrics, Baylor College of  
Medicine  
Pediatric Gastroenterologist, Texas Children's Hospital,  
USA



**Marla Cunningham, Executive Director**  
ISAPP  
Brisbane, Australia

## Appendix B: ISAPP Member Organisations 2024

ISAPP thanks all members for their support of ISAPP in 2024.



- Abbott Nutrition
- AB-Biotics (Kaneka)
- ADARE Biome
- Amway
- Atlantia Food Clinical Trials Ltd.
- Bayer
- Beneo
- Biocodex
- Glac Biotech Co.,Ltd
- BioGaia AB
- BioZyme Inc.
- Cargill
- Clasado Inc.
- Comet Bio
- Danone Nutricia
- Danone EDP
- Danone North America
- Deerland Enzymes & Probiotics
- Diprobio (Shanghai) Co., Limited
- DSM (i-Health Inc.)
- Eurofins Microbiology Laboratories, Inc.
- Fonterra
- Friesland Campina Innovation Center
- Gates MRI
- General Mills (Yoplait)
- Haleon
- H&H Group
- IFF (Danisco)
- Ingredion Incorporated
- Kerry
- Kraft Foods Global, Inc.
- Kyowa Hakko
- Lesaffre International
- Life-space Group Pty Ltd



- Mars, Incorporated
- Mead Johnson Nutrition Institute (Reckitt)
- Metagenics
- Mondelez
- Morinaga Milk Industry Co., Ltd.
- National Dairy Council
- Nestlé Research Product Technology & Development
- Novonosis
- Pepsico
- Pharmavite LLC
- Probi
- Procter & Gamble
- ADM Protexin
- Puratos
- Roquette
- Opella (Sanofi)
- Seed Health
- Sensus BV
- Shenzhen Wedge Microbiology Research Co.Ltd
- Sirio Pharma Co., Ltd.
- Symrise
- Synbiotic Health, Inc
- TNO
- Verb Biotics LLC
- Winclove Probiotics B.V.
- Yakult Honsha Co.